

# PVC Neutral Screened Cables single core and two cores

CU NSCRN 1X 6 3.2

## Contact

Sales and Customer Solutions  
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**Nexans Ref.:** BAGP11PX001CXRD

**Country Ref.:** 6102

Cu conductors, PVC insulation, Cu wire neutral screen, Black PVC sheath. 0.6/1 kV. Made to AS/NZS 4961.

## DESCRIPTION

### Application

- Industrial, commercial and domestic applications
- For use in various situations to supply the main power from the point of supply to buildings, equipment, sheds, eg, switch board to main control cabinet, main between floors and buildings, cable cabinet to motor, etc.



## STANDARDS

**National AS/NZS 4961**



Rated Voltage Uo/U (Um)  
0.6/ 1 (1.2) kV



Cable flexibility  
**Rigid**



Max. conductor temp. in service  
75 °C

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## CHARACTERISTICS

### Construction characteristics

Pilot wires	None
Conductor material	Copper
Type of conductor	Circular, stranded
Insulation	PVC
Screen	Copper wire
Outer sheath	PVC
Colour	-
Core identification	Red
With Green/Yellow core	No
With smaller neutral conductor	No

### Dimensional characteristics

Number of cores	1
Conductor cross-section	6 mm <sup>2</sup>
Nominal overall diameter	13.0 mm
Nominal overall diameter	-
Gland Size (A2 or A2F)	25
Gland Size (CX/Z)	20S
Nominal outer sheath thickness	3.2 mm
Approximate weight	0.28 kg/m
Neutral conductor section (when smaller)	- mm <sup>2</sup>

### Electrical characteristics

Max. DC resistance of the conductor at 20°C	4.61 Ohm/km
Permissible short circuit current conductor 1s	- kA
Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	0.6/ 1 (1.2) kV

### Mechanical characteristics

Cable flexibility	Rigid
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### Usage characteristics

Max. conductor temperature in service	75 °C
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## CURRENT CARRYING CAPACITIES SINGLE PHASE (IN AMPS) - PVC NEUTRAL SINGLE CORE

Copper conductor Circular stranded Insulation PVC Max. Conductor Temperature 75C

Conductor cross-section [mm <sup>2</sup> ]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
6	52	50	44	55	55	25
 Air Spaced from Surface, Unenclosed	 Air touching, unenclosed	 Air enclosed		 Buried direct		
	 Buried in single-way duct	 Cable surrounded by thermal insulation, unenclosed				